

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of claims:

1. (Currently amended) Sensor for picking up sound from a body, comprising
an acoustoelectric transducer member for converting sound vibrations to electrical output signals;
a viscoelastic unit arranged as an adaptation medium between a body surface and the transducer member and in such a manner that a front surface of said unit is arranged to be brought to direct engagement with the body surface;
wherein said acoustoelectric transducer member is comprised of at least one piezoelectric member tightly surrounding ~~tightly~~ the lateral surface of the viscoelastic unit, said viscoelastic unit having a cylindrical outer shape; and
the viscoelastic unit engages tightly in its rear end area, a hard back piece.
2. (Previously presented) The sensor of claim 1, wherein said acoustic transducer member is comprised of at least one thin piezoelectric foil.
3. (Previously presented) The sensor of claim 2, wherein said acoustic transducer member is comprised of two concentrically arranged piezoelectric foils and an electrically conductive foil therebetween.
4. (Previously presented) The sensor of claim 3, wherein the intermediate electrically conductive foil is comprised of a double-sided adhesive and

electrically conductive tape.

5. (Previously presented) The sensor of claim 2, wherein said piezoelectric foil is comprised of a flat foil laid around the viscoelastic unit in such a manner that adjacent edges are fixed by an adhesive tape.

6. (Previously presented) The sensor of wherein the piezoelectric foil/the piezoelectric foils have a cylindrical shape, and have been threaded tightly onto the viscoelastic unit.

7. (Previously presented) The sensor of claim 1, wherein the acoustic transducer member is comprised of a ceramic ring with a piezoelectric effect.

8. (Previously presented) The sensor of claim 1, wherein said back piece and said viscoelastic unit in the rear end area have precisely complementary shapes comprising an interface that is substantially conically shaped and pointing in a forward direction.

9. (Previously presented) The sensor of claim 1, further comprised of a stethoscope, into which said sensor is mounted.

10. (Previously presented) An electronic stethoscope comprising a head set with ear phones having loudspeakers, a hand-held sound pick-up module with a sensor element and electronic amplifier circuitry as well as a connection lead between said module and said headset, wherein

the sensor element is a sensor for picking up sound from a body, and is comprised of:

- an acoustoelectric transducer member for converting sound vibrations to electric output signals, and
- a viscoelastic unit arranged as an adaptation medium between a body surface and said transducer member and in such a manner

that a front surface of said unit is arranged to be brought to direct engagement with the body surface, -said acoustoelectric transducer member being comprised of at least one piezoelectric member surrounding tightly the lateral surface of the viscoelastic unit, said viscoelastic unit having a cylindrical outer shape, and -said viscoelastic unit tightly engages in its rear end area, a hard back piece.